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- 1** Physical database design: Applying approximate order dependency to reduce indexing space 100%

Jirun Dong , Richard Hull

Proceedings of the 1982 ACM SIGMOD international conference on Management of data June 1982

The recently introduced notion of order dependency in the relational model is generalized to include situations where order dependency is satisfied in an approximate way. Two fundamental types of approximate satisfaction are distinguished and analyzed. It is shown for both types that such approximate satisfaction of order dependencies can be applied to substantially reduce indexing space without significantly increasing access time.
- 2** On efficient storage space distribution among materialized views and indices in data warehousing environments 100%

Ladjel Bellatreche , Kamalakara Karlapalem , Michel Schneider

Proceedings of the ninth international conference on Information and knowledge management November 2000
- 3** Indexing moving points (extended abstract) 100%

Pankaj K. Agarwal , Lars Arge , Jeff Erickson

Proceedings of the nineteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems May 2000

We propose three indexing schemes for storing a set S of N points in the plane, each moving along a linear trajectory, so that a query of the following form can be answered quickly: Given a rectangle R and a real value tq, report all K points of S that lie inside R at time tq. We first present an indexing structure ...



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21 Indexing values of time sequences

98%



Ling Lin , Tore Risch , Martin Sköld , Dushan Badal

Proceedings of the fifth international conference on Information and knowledge management November 1996

22 A semantic and logical front-end to a database system

97%



M Rajinikanth , P K Bose

Proceedings of the ACM SIGART international symposium on Methodologies for intelligent systems December 1986

This paper presents an approach to extending the relational system RTMS into one supporting a frame-based knowledge-representation system. A deductive front-end is used for extraction of implicit information from the explicit data stored in RTMS. The proposed extensions to the relational model include the relationships of aggregation and generalization, set-valued attributes, and virtual relations defined using axioms. We will present a query language that takes advantage of these extension ...

23 Predicate migration: optimizing queries with expensive predicates

97%



Joseph M. Hellerstein , Michael Stonebraker

ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data June 1993

Volume 22 Issue 2

The traditional focus of relational query optimization schemes has been on the choice of join methods and join orders. Restrictions have typically been handled in query optimizers by "predicate pushdown" rules, which apply restrictions in some random